

Claims

1. A heat exchanger support system, characterized in
that it consists of a frame (2) comprising faces
5 (4, 6, 8, 10, 12, 14, 16, 18) furnished with
fixing means for fixing at least a first (34) and
a second (36) heat exchanger component, each
component being fixed directly to the frame (2)
independently of the other components, the frame
10 (2) also comprising attachment elements (28, 32)
allowing it to be mounted on a motor vehicle
chassis via flexible vibration-damping means.
2. The system as claimed in claim 1, characterized in
15 that each of the components (34, 36, 38, 40) is
kept in position independently in three orthogonal
directions (X, Y, Z).
3. The system as claimed in either of claims 1 and 2,
20 characterized in that it forms a fairing for the
components (34, 36, 38, 40).
4. The system as claimed in one of claims 1 to 3,
characterized in that it is designed in such a
25 manner that the components (34, 36, 38, 40) are
installed one behind the other, all from the same
side of the frame.
5. The system as claimed in one of claims 1 to 4,
30 characterized in that the profile of the lateral
faces of the frames is such that they can be
nested in one another.
6. The system as claimed in one of claims 1 to 5,
35 characterized in that certain fixing means consist
of clips (44, 52).

7. The system as claimed in one of claims 1 to 6, characterized in that the fixing clips (44, 52) are S-shaped allowing a nonlinear deformation.
- 5 8. The system as claimed in one of claims 1 to 7, characterized in that certain fixing means consist of flexible forms (60).
9. The system as claimed in one of claims 1 to 8,
10 characterized in that certain fixing means consist of catches (42, 50).
10. A heat exchanger module, characterized in that it comprises a support system (2) according to one of
15 claims 1 to 9 in which heat exchange components (34, 36, 38, 40, 134, 136, 138, 140) are installed.
11. The module as claimed in claim 10, characterized
20 in that the components (34, 36, 134, 136) themselves comprise no fixing means.
12. The module as claimed in either of claims 10 and 11, characterized in that it comprises at least a
25 first (34, 134) and a second (36, 136) component, the second component locking the first component in the frame (2) after installation.
13. The module as claimed in one of claims 10 to 12,
30 characterized in that the components comprise at least a condenser (34, 134) and an engine cooling radiator (36, 136).
14. The module as claimed in claim 13, characterized
35 in that the components also comprise a supercharge air radiator (40, 140).

15. The module as claimed in one of claims 10 to 14, characterized in that it has a mosaic type architecture.
- 5 16. The module as claimed in one of claims 10 to 14, characterized in that it has a surface type architecture.